

ABSTRACT

An automatic cable delivery system that can lower heavy weights from some heights with automatically controlled deceleration. This device is capable of sensing the amount of the load being lowered and therefore automatically adjust the resistance on a continuous basis thereby controls the descending speed to a desirable rate regardless of the weight. This automatic descending system is very useful during evacuation in case of emergency from high-rise building and similar structures. This unit is very portable and does not require any permanent fixture. This unit consists of a translucent clutch, hydraulic or mechanical, in conjunction with a unidirectional retractable cable spool coupled through a planetary gear system. This unit is fitted with a retractor, which retracts the cable once it is released. This retraction is faster than the controlled release of the cable during lowering of load.